

**CURRICULUM VITAE**  
**MARCELO J. BARRIONUEVO, M.D.**

**OFFICE ADDRESS:**

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Port St. Lucie, FL, 34986  
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10115 West Forest Hill Boulevard, Suite 401A  
Wellington, FL, 33414

**PERSONAL DATA:**

Born:	June 6, 1961, Catamarca, Argentina
Citizenship:	U.S.
Marital Status:	Married, two daughters
Languages:	English, Spanish

**EDUCATION:**

07/80 - 06/87	Combined undergraduate/medical school programs
M.D.	University of Buenos Aires, Argentina

<b>RESIDENCY:</b>	07/89 - 06/91	Internal Medicine Sinai Hospital of Detroit Detroit, MI Robert Bloom, M.D., Director
	07/91 - 06/95	Obstetrics and Gynecology Residency Sinai Hospital of Detroit Detroit, MI David B. Schwartz, M.D., Chairman
<b>FELLOWSHIP:</b>	07/95 – 06/97	Reproductive Endocrinology and Infertility Fellowship Department of Obstetrics and Gynecology University of South Florida College of Medicine Tampa, FL William N. Spellacy, M.D., Chairman
<b>CERTIFICATION:</b>	2004	American Board of Obstetrics and Gynecology Reproductive Endocrinology and Infertility
	2000	American Board of Obstetrics and Gynecology Obstetrics and Gynecology
<b>APPOINTMENTS:</b>	2010	Residency Program Site Director Department of Obstetrics and Gynecology South Broward Hospital District – Memorial Health and University of Miami School of Medicine Miami, Florida
	2010	Clinical Voluntary Assistant Professor Department of Obstetrics and Gynecology Florida International University Miami, FL
	2010	Voluntary Clinical Associate Professor Department of Obstetrics and Gynecology University of Miami Medical School Miami, FL
	2006	Consultant in Reproductive Endocrinology and Fertility Department of Gynecology Cleveland Clinic, Weston, Florida

1999-2009 Voluntary Associate Professor  
 Department of Obstetrics and Gynecology  
 University of Miami Miller School of Medicine  
 Miami, FL

2009 - Voluntary Clinical Associate Professor  
 Department of Obstetrics and Gynecology  
 University of Miami Miller School of Medicine

**APPOINTMENTS (CONT): 1998 -**

Private Practice  
 IVF FLORIDA Reproductive Associates  
 Margate, FL

1997–1998 Assistant Professor  
 Division of Reproductive Endocrinology and Infertility  
 Department of Obstetrics and Gynecology  
 University of South Florida College of Medicine  
 Tampa, FL

Director  
 Pediatric and Adolescent Reproductive Gynecology  
 Interdisciplinary Unit  
 Department of Obstetrics and Gynecology  
 University of South Florida College of Medicine  
 Tampa, FL

Director  
 International Exchange Program  
 Department of Obstetrics and Gynecology  
 University of South Florida College of Medicine  
 Tampa, FL

1995–1997 Clinical Instructor  
 Obstetrics and Gynecology  
 University of South Florida College of Medicine  
 Tampa, FL

1988-1989 Medical Assistant  
 Heart Institute of Michigan  
 Kalamazoo, MI

1987– 1988 Non-invasive Cardiovascular Technician

Heart Institute of Michigan  
Kalamazoo, MI

**HOSPITAL APPOINTMENTS:**

Baptist Hospital, 7/2010  
Miami, FL

Kendall Regional Medical Center, 7/2010  
Miami, FL

Cleveland Clinic Florida and Hospital, 7/2006 -  
Weston, FL

Memorial Hospital West, 7/2000 -  
Pembroke Pines, FL

Memorial Hospital Miramar, 7/2010 -

Memorial Regional Hospital, 7/1998 -  
Hollywood, FL

Tampa General Hospital, 7/1995 – 7/1998  
Tampa FL

Tampa Outpatient Surgery, 7/1995 – 7/1998  
Tampa FL

Columbia Northwest Medical Center, 7/1998 -  
Margate, FL

**MEDICAL LICENSURE:**

Florida ME 0068771 1995 -  
Michigan 4301055633, 1989 - 1999

**PROFESSIONAL MEMBERSHIPS:**

American Diabetes Association, 2004 –  
Pan American Medical Association of Central Florida, 1997 –  
Tampa Obstetrics and Gynecology Society, 1997 - 1998  
Florida Obstetrics and Gynecology Society, 1997 –  
The Endocrine Society, 1997 –  
American Association of Gynecologic Laparoscopists, 1995 –  
American Society for Reproductive Medicine, 1991 -  
American College of Obstetricians and Gynecologists, 1991 -  
American Medical Association, 1991 -  
American College of Physicians, 1991 -

**COMMITTEES/OFFICES:**

**American College of Obstetricians and Gynecologists**

District XII

Transition Committee

Subcommittee Chair – Florida Sections

2011 - 2012

**Sherman College**

District IV

Florida Section Regional Representative

Broward County

2007- 2012

**Florida Society of Reproductive Endocrinology and Infertility**

President, 2007 - 2008

**LOCAL**

**Fort Lauderdale Obstetrics and Gynecology Society**

President, 2004 - 2008

**Florida Society of Reproductive Endocrinology and Infertility**

Vice-President, 2006 -2007

**COMMITTEES/OFFICES:**

**INSTITUTIONAL**

Memorial Regional Hospital

Ethics Committee, 2000 -

Memorial Healthcare System

Continuing Medical Education

Department of Obstetrics and Gynecology

Committee Chairman, 2004 - 2010

Committee Member, 2004 -

**ACADEMIC HONORS/AWARDS:** Joseph H. Wahlers Award  
OB/GYN resident who most demonstrated kindness, empathy and  
emotional support of patients  
June 1995

Sinai Hospital, Detroit, MI  
Special Excellence in Endoscopy Award  
American Association of Gynecologic Laparoscopists  
February 1995

**ACADEMIC HONORS/AWARDS:** Sinai Hospital, Detroit Michigan  
Scientific Paper Presentation  
“Endometrial Ablation by Intrauterine Instillation of a Hot  
Solution”  
June 1995

Sinai Hospital, Detroit MI  
Scientific Paper Presentation  
“Superficial Laser Vulvectomy VI, Efficacy of Adjuvant  
Systemic Interferon is Proportionate to Duration of Therapy”,  
June 1993

**TEACHING EXPERIENCE:** March 20, 2010  
2010 Fertility Conference – Co – Director and Speaker  
“PCOS and Insulin Resistance”  
“Recurrent Pregnancy Loss Work-up and Treatment”  
Nassau Bahamas

February 14, 2010  
4<sup>th</sup> Annual Sickle Cell Disease  
Research and Educational Symposium – Speaker  
“Preimplantation Genetic Diagnosis (PGD) Awareness for Sickle Cell  
Disease”  
Hollywood, Florida

February 6, 2010  
1<sup>st</sup> Annual Symposium on Breast Cancer for All  
Healthcare Providers – Director and Speaker  
“Fertility Preservation Options for Cancer Patients”  
Davie, Florida

**TEACHING EXPERIENCE:**

December 10, 2009  
RESOLVE – Conference Speaker  
Inspiring Hope: Making Dreams a Reality  
Coral Gables, FL

November 10, 2009  
AORN of Broward Half Day Seminar  
“In Vitro Fertilization: State of the Art”  
“Multiple Pregnancy Loss”  
Miramar, Florida

September 23, 2009  
An Integrated Approach to Women’s Health and Infertility – Speaker  
Miramar, Florida

July 16, 2009  
Memorial Healthcare System OB/GYN Ground Round  
“Making Fertility Preservation a Reality for Young Patients Facing  
Cancer”  
Pembroke Pines, Florida

June 7, 2009  
West Meets East  
15<sup>th</sup> Anniversary of the Atlantic Institute of Oriental Medicine – Speaker  
“Basic Knowledge of Infertility Problems and Treatment Options”  
“IVF and Other Assisted Reproductive Treatments:  
“Irregular Cycles and PCOS”  
“Recurrent Pregnancy Loss”  
Fort Lauderdale, FL

March 9, 2009  
Memorial Regional Hospital  
Breast Cancer Center Grand Rounds  
“Fertility Preservation for Cancer Patients:  
Hollywood, Florida



**TEACHING EXPERIENCE:**

September 28-29, 2007

XI Jornada Internacional Avances En Medicina Reproductiva – Speaker

“Manejo e Inducción del paciente”

“Manejo de pacientes con pérdida recurrente del embarazo”

“Manejo de Pacientes que necesitan IVF y PGD”

“Manejo de la Hipperestimulación ovária”

Lima Peru

July 2003

XVII Congreso Medico Cubano Internacional – Speaker

“Assisted Reproductive Technology- What’s New?”

September 1999

Pan American Medical Association of Central Florida – Speaker

“Medical and Surgical Treatment of Ectopic Pregnancy”

“Tratamiento Medico Y Quirurgio Del Embarazo Ectopic”

Longboat Key, Florida

June 1999

XV International Cuban Medical Association Congress – Speaker

“Infertility from Start to ART”

Miami Beach, Florida

March 1999

Tampa General Hospital

“Endometrial Ablation as an Alternative to Hysterectomy”

“Diagnostic and Operative Hysteroscopy”

“Diagnostic and Operative Laparoscopy

“Infertility Work Up”

“Assisted Reproductive Techniques”

“International Exchange

Obstetrics and Gynecology Society

International Exchange Program Conference – Speaker

Medical Society of Catamarca

Catamarca, Argentina:

**TEACHING EXPERIENCE:**

September 1998

Pan-American Medical Association of Central Florida – Speaker  
15<sup>th</sup> Annual Scientific Meeting,  
“Infertility in the 90’s: Breaking the Oocyte Barrier”  
Longboat Key, Florida

August 1998

“Emergency Contraception Seminar” – Speaker  
University of South Florida, College of Medicine  
Tampa, Florida

April 1998

Academic Advisory Board Member for Eli Lilly and Co.  
National GYN Educational Meetings on Raloxifene,

April 1998

“Advances in Human Reproduction” International Symposium - Course  
Director – Speaker  
University of South Florida College of Medicine and  
University of California San Francisco  
St. Petersburg, Florida

March 1998

1<sup>st</sup> International Meeting and 3<sup>rd</sup> Regional Symposium – Speaker  
“Present and Future of Assisted Reproduction”:  
“Assisted Reproductive Techniques Results at USF”  
“Male Infertility in the 90’s”  
“Breaking the Oocyte Barrier”  
Merida, Mexico

February 1998

Round Table, Mid-Winter OB/GYN Seminar – Speaker  
“New Methods of Endometrial Ablation”  
University of South Florida, College of Medicine  
St. Petersburg, Florida

Sept 97 – June 98

International Exchange Program – Director  
Lectures to Visiting Foreign Clinicians – Speaker  
University of South Florida, College of Medicine  
Tampa, Florida

**TEACHING EXPERIENCE:**

Sept 1997 – June 1998  
Pediatric and Adolescent Reproductive Gynecology – Director  
Monthly Conferences  
University of South Florida, College of Medicine  
Tampa, Florida

February 1997  
OB/GYN Seminar – Speaker  
“Endometrial Ablation by Hysteroscopic Instillation of a Hot Solution;”  
University of South Florida, College of Medicine  
St. Petersburg, Florida

January 1997  
OB/GYN Grand Round – Speaker  
“Male Infertility in the 90’s: Breaking the Oocyte Barrier”  
University of South Florida, College of Medicine  
Tampa, Florida

February 1996  
Round Table, Winter OB/GYN Seminar – Speaker  
“Past, Present and Future Techniques for Endometrial ablation”  
University of South Florida, College of Medicine  
Tampa, Florida

## PEER REVIEW ARTICLES

1. **Barrionuevo MJ**, Schwandt RA, Rao PS, Graham LB, Maisel LP, and Yeko TR: Nitric oxide (NO) and interleukin-1 $\beta$  (IL-1 $\beta$ ) in follicular fluid and their correlation with fertilization and embryo cleavage. *AJRI* 2000, 44(359-364)
2. Moore, MM, Cardosi RJ, **Barrionuevo MJ**. Tubo-ovarian abscess in an adolescent virgin female. *Arch Pediatr Adolesc Med.* 1999; 153:91-92.
4. Moore M, Cardosi R, **Barrionuevo M**: “Tubo-ovarian Abscess in an Adolescent Virgin Female”, case report. *Archives Pediatrics & Adolescent Medicine*, January 1999.
5. Barroso G, **Barrionuevo M**, Papineni R, Graham L, Danforth D, et. at.: Vascular endothelial growth factor (VEGF), nitric oxide (NO) and leptin levels in ovarian follicles and their relationship with the development potential of the corresponding oocyte/embryo. *Fertil Steril*, 1999, 72(6):1024-6
6. **Barrionuevo M**. Bronsteen RA, Eilender LM, Wright DJ, Goyert GL: “Idiopathic Granulomatous Angitis of the Central Nervous System in Pregnancy: The First Case Report”. *The Journal of Maternal-Fetal Medicine* 6:58-60 (1997)
7. Goldrath M, **Brrionuevo M**, Berman J. Husain M: “Endometrial Ablation by Intrauterine Instillation of a Hot Solution”, animal data. Award received at Sinai Hospital Scientific Paper Presentation, June 1995. Poster presentation at the ASRM meeting, Boston, MA, Nov 1996, *Journal of the American Association of Gynecologic Laparoscopist*, Feb 1997, Vol. 4, 2:235-240
7. **Barrionuevo M**, Rao Graham L, Yeko T: “Follicular Fluid Nitric Oxide Level and Its Impact on Oocyte Potential”. ”. Poster presentation at the SGI Meeting in San Diego, CA, March 1997. *Assisted Reproduction Reviews*, 1997, Vol. 7, No. 4 165-167

## ABSTRACTS

1. Anupama S.Q Kathiresam, M.D., Yenisel Cruz-Almeida, M.S.P.H., Ph.D., **Marcelo J. Barrionuevo**, M.D., Wayne S. Maxson, M.D. David I. Hoffman, M.D., Steven J. Ory, M.D., Vanessa N. Weitzman, M.D., Daniel R. Christie, M.D., The optimum number of oocytes needed to predict a live birth outcome depends on maternal age, FHS level, and BMI. Department of Obstetrics and Gynecology, University of Miami Miller School of Medicine, Miami, FL, Research Services, University of Miami Miller School of Medicine, Miami, FL, Gynecology, IVF Florida Reproductive Associates. Accepted to the SGI 59<sup>th</sup> Annual Scientific Meeting; San Diego, CA; March 2012 (Poster)
2. Anupama S.Q Kathiresam M.D., George R. Attia M.D., **Marcelo J. Barrionuevo**, M.D., Steven J. Ory, M.D: Prognostic value of beta-human chorionic gonadotropin is dependent on day of embryo transfer during in vitro fertilization. Division of Reproductive Endocrinology and Infertility Department of Obstetrics and Gynecology, The Miami Project to Cure Paralysis, Department of Urology, University of Miami Miller School of Medicine, Miami, FL, IVF Florida/ Reproductive. Fertil Steril. 2011 Dec; 96 (6):1362-6
3. Anupama S.Q Kathiresam M.D., George R. Attia M.D., **Marcelo J. Barrionuevo**, M.D., Steven J. Ory, M.D., Charles M. Lynne, M.D., Nancy L. Brackett PhD, HCLD: Comparison of IVF/ICSI outcomes in male factor infertility patients with an without spinal cord injuries. Division of Reproductive Endocrinology and Infertility Department of Obstetrics and Gynecology, The Miami Project to Cure Paralysis, Department of Urology, University of Miami Miller School of Medicine, Miami, FL, IVF Florida/ Reproductive. Ferti Steril. 2011 Sept; 96(3):562-6
4. Barroso G. Barrionuevo M, Papineni R, Graham L, Danforth D, et. at:Vascular endothelial growth factor (VEGF) nitric oxide (NO) and leptin levels in ovarian follicles and their relationship with the development potential of corresponding oocyte/embryo. Submitted for resenatation at the 55<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, Toronto, Canada 1999.
5. Eichberg RD, Casady L, Verkauf, BS, Yeko T, **Barrionuevo**. Electro ejaculation and assisted reproductive techniques for anejaculatory infertility. Our seven year experience. 38<sup>th</sup> Annual Scientific Meeting of International Medical society of Paraplegia. Copenhagen, Denmark 1999.
6. Schwandt R, **Barrionuevo M**, Rao P, Graham L, Behrman L, Yeko T: "Nitric Oxide and Interleukin-1 Beta in Follicular Fluid and Their Correlation with Embryo Cleavage". Poster presentation at the SGI Annual Meeting, Atlanta, GA, March 1998.
7. Reid R, **Barrionuevo M**, Precop S, Berman N, Rutledge LH, Pizzuti DJ: "Superficial Laser Vulvectomy VI, Efficacy of Adjuvant Systemic Interferon is Proportionate to Duration of Therapy". Paper presented at the Michigan Section ACOG, Lansing, MI, May 1993, and award received at Sinai Hospital Scientific Paper Presentation, Detroit, MI June 1993. Poster presented at District V ACOG, Cincinnati, OH, October 1993.
8. Youssef Mouhayar, David I Hoffman, Laurice BouNemer, Kris Arheart, Susan Sciandra, Wayne Maxson, Steven J Ory, and Marcelo J Barrionuevo. "Chromosomal Analysis of Early Pregnancy Loss Using SNP Microarrays" American Society for Reproductive Medicine Annual Meeting. Honolulu, HI, October 2014

9. Y. Mouhayar, L. Bou Nemer, D. Hoffman, K. Arheart, S. Sciandra, W. Maxson, S. Ory, V. Weitzman, D. Christie, and M. Barrionuevo. "Chromosomal Analysis of Early Pregnancy Loss Using SNP Microarrays." William A. Little Annual Meeting. Miami, FL, April 2014
10. S. Gerkowicz, Y. Mouhayar, K. Arheart, S. Sciandra, D. Christie, W. Maxson, D. Hoffman, S. Ory, V. Weitzman, K. Miller, MD. Barrionuevo, and MJ. Barrionuevo. "Anti-Mullerian Hormone (AMH) Level and Antral Follicular Count (AFC) as Predictors of Ovarian Hyperstimulation Syndrome (OHSS) Risk During Ovarian Stimulation in IVF Cycles." William A. Little Annual Meeting. Miami, FL, April 2014
11. AM. Farmer, Y. Mouhayar, S. Sciandra, D. Christie, W. Maxson, D. Hoffman, S. Ory, V. Weitzman, K. Miller, M. Barrionuevo. "Fresh Embryo Transfer Outcomes in Cycles Triggered by GnRH Agonist vs. hCG Trigger for Final Oocyte Maturation." William A. Little Annual Meeting. Miami, FL, April 2014
12. Laurice Bou Nemer, MD, Vanessa Weitzman, MD, Marcelo Barrionuevo, MD, Youssef Mouhayar, MD, Daniel Christie, MD, Wayne Maxson, MD, David Hoffman, MD, and Steven Ory, MD. "In-Vitro Fertilization vs. "Minimal Stimulation" Intra-Uterine Insemination In Women 40 And Older." William A. Little Annual Meeting. Miami, FL, April 2014
13. Laurice Bou Nemer MD, Vanessa N. Weitzman, MD, Kristopher L. Arheart, PhD, Marcelo J. Barrionuevo, MD, Daniel R. Christie, MD, Youssef Mouhayar, MD, David I. Hoffman, MD, Wayne S. Maxson, MD, Steven J. Ory, MD  
IN-VITRO FERTILIZATION VS. MILD STIMULATION INTRA-UTERINE INSEMINATION IN WOMEN AGE 40 AND OLDER Reproductive Sciences, vol. 0, 0First Published 27 Sep 2016.
- 14.

## **BOOK CHAPTERS**

1. Ory SJ, Barrionuevo MJ: The differential diagnosis of female infertility. In Principles and Practice of Endocrinology and Metabolism, 3rd Edition. Becker KL, (ed.). Philadelphia, J.B. Lippincott Company, Pg. 1015-22, 2001

## UNPUBLISHED RESEARCH

1. **Barrionuevo M**, Rao P, Graham L, Yeko T: “Nitric Oxide and Early Luteinization in Follicular Fluid”.
2. **Barrionuevo M**, Schwandt R, Rao P, Graham L, Behrman J, Yeko T: “TNF-Alpha and Nitric Oxide in Follicular Fluid – Oocyte Fertilization and Embryo Cleavage”.
3. **Barrionuevo M**, Londono J, Natofsky J, Yeko T, Parsons A: “Video Presentation: Alunex – Selective Tubal Catheterization with Ultrasound Guidance in Patients with Proximal Tubal Obstruction”.
4. **Barrionuevo M**, Gruidl M, Yeko T, Tabibzadeh S: “TNF-Alpha mRNA Expression of Endometrial Cells in Normal and Abnormal Menstrual Cycles and Infertile Patients”.
5. **Barrionuevo M**, Yeko T, Yeatman T: “Endostatin and VEGF mRNA Expression of Endometrial Cells of Normal Patients and Patients with Menorrhagia”.
6. Sherman A, **Barrionuevo M**, Campbell K, Gilbert HE, Husain M, Elfort E: “A Retrospective Study to Evaluate the Role of DNA Ploidy in the Prognosis and Treatment of Endometrial Carcinoma”.